

Claim listing:

1. (Canceled)

2. (Canceled)

3. (New) A conveying chain guide disposed in a transfer position between a driving sprocket and a linear rail for supporting a conveying surface, a conveying chain comprising a plurality of chain rollers sequentially pivotally connected to each other at given chain pitches, said conveying chain traveling on said linear rail and driving said conveying surface at a fixed speed, said chain rollers interengage and mesh with said driving sprocket and move polygonally about said driving sprocket, said driving sprocket rotating at a fixed angular speed, characterized in that

said chain guide comprises a transfer passageway having a first arc-shaped curved portion and a second arc-shaped curved portion, said first and second arc-shaped curved portions being continuous, said chain rollers of said conveying chain passing through said transfer passageway of said chain guide thereby substantially removing any speed variation of said conveying chain and permitting smooth operation of said conveying surface.

4. (New) A conveying chain guide as claimed in claim 3 wherein said guide further includes lower portions and upper portions.

5. (New) A conveying chain guide as claimed in claim 3 wherein said guide further includes an inflection point between said first and second arc-shaped curved portions.